

Name Marmoleum Sheet with Topshield2



Product ID Various Colors See Notes Classification 09 65 00.00 Finishes: Resilient Flooring

Website www.forboflooringna.com

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Description Marmoleum is a homogeneous floor covering made from natural ingredients including linseed oil, rosin binders, wood flour, limestone and dry pigments which are mixed and then calendared onto a natural jute backing Topshield2 is a high performance finish. Its double UV cured layer technology delivers extraordinary performance and clean and vibrant colors that remain over time. Topshield2 creates a "ready to use" Marmoleum that requires no initial maintenance or polymer application. The surface can be repaired or refreshed in cases of accidents or after years of intensive use

Release Date 2015-03-27 Expiry Date 2018-03-27 HPD URL https://tool.hpdcollaborative.org/uploads/files/hpds/202/134-20150327142122.pdf
Certifier Certificate #
Self-declared
Second Party
Third Party

SUMMARY DISCLOSURE

The content of this product was assessed for health hazard warnings as required using Pharos

Residuals Disclosure Full Disclosure of Intentional Ingredients Full Disclosure of Known Hazards Disclosure Notes
Measured 100 ppm (ideal) Measured 1000 ppm Predicted by process chemistry As per MSDS (1,000 & 10,000 ppm) Not disclosed Other
Yes No Yes No

Contents in Descending Order of Quantity

LIMESTONE; CALCIUM CARBONATE , Cellulose , LINSEED OIL , TALL OIL , JUTE FIBER , GUM ROSIN , Titanium dioxide , FERRIC OXIDE YELLOW , Iron oxide , FERRIC OXIDE , TopShield 2 water-based acrylic finish

Hazards Highest concern GreenScreen score - List Translator Benchmark 1
PBT (Persistent Bioaccumulative Toxic) Cancer Gene Mutation
Development Reproductive Endocrine Respiratory
Neurotoxicity Mammal Skin or Eye Aquatic toxicity
Land toxicity Physical hazard Global warming Ozone depletion
Multiple Unknown

Total VOC Content Material (g/L) Regulatory (g/L) N/A N/A
Does the product contain exempt VOCs? Are there VOC-free tints available?
N/A Yes No N/A Yes No

Notes

Certifications + Compliance

VOC Emissions CA Section 01350 (CHPS) Emission Test - CDPH/EHLB Standard Method V1.1 - Classroom & Office scenario VOC Content N/A
LCA Environmental Product Declaration (EPD) Multi-attribute MTS SMART Building Product Standard - Platinum (2006)

The HPD Standard is solely a declaration of product content and direct health hazards associated with exposure to its individual contents. It is not a full assessment of environmental impacts from the life cycle of this product. It is not an assessment of risks associated with actual use of the product. It does not address the potential health impacts of substances used or created during manufacture that do not appear in the final product as residuals, nor substances created during combustion or other degradation processes.

This Health Product Declaration was generated following the requirements of the noted Standard version and is valid for a total of three years after date of issue or three months after a substantive change of product contents occurs. Users should verify that this Health Product Declaration is compliant with the most current version of the HPD Standard. Accuracy of claims made in this Health Product Declaration is the sole responsibility of the listed manufacturer and certifier (if applicable). The HPD Collaborative does not warrant any claim made herein, explicit or implicit. The HPD Standard is an “open standard” developed and managed by the HPD Collaborative, a nonprofit organization. For more information, visit [hpdcollaborative.org](http://hpdcollaborative.org).

## CONTENT IN DESCENDING ORDER OF QUANTITY

All ingredients must be assessed for health warnings against Priority Hazard Lists, regardless of disclosure level.

Priority Hazard Lists and information on the GreenScreen Benchmarks can be found at [www.hpdcollaborative.org/hazardlists](http://www.hpdcollaborative.org/hazardlists).

**GS:** GreenScreen Benchmark; **RC:** Recycled Content, **PC:** Post Consumer, **PI:** Post Industrial (Pre-consumer), **BO:** Both; **Nano:** comprised of nanoscale particles or nanotechnology

Name	CAS RN	% weight	GS	RC	Nano	Role
Hazard A	Warning A					
Hazard B	Warning B					
Hazard C	Warning C					
Hazard D	Warning D					
Hazard E	Warning E					
Notes						
<b>LIMESTONE; CALCIUM CARBONATE</b>	1317-65-3	26.55 - 27.29 %	LT-U	N	N	Filler
None found	No warnings found on HPD Priority lists					
<b>Cellulose</b>	9004-34-6	24.23 - 24.9 %		U	U	Filler
None found	No warnings found on HPD Priority lists					
Cellulose is mix of different species of wood. The specific brand name that Forbo Flooring Systems uses in Marmoleum is Lignocel C 120. LIGNOCEL® C 120 is not classified as dangerous according to directive 67/548/EEC, directive 1999/45/EC and regulation 1272/2008 (CLP). Information pertaining to special dangers for human and environment: Adverse physiochemical effects: Capable of causing dust explosions. Adverse human health effects and symptoms: N/A Adverse environmental effects: N/A Other adverse hazards: Substance is combustible. Substance related information: CAS-No: N/A EC-No: N/A INDEX-NO: N/A REACH Registration No: N/A Purity: 100 % Synonyms: N/A Stabilizers: N/A Hazardous impurities: N/A						
<b>LINSEED OIL</b>	8001-26-1	20.56 - 21.13 %		N	N	Binder
None found	No warnings found on HPD Priority lists					
<b>TALL OIL</b>	8002-26-4	11.24 - 11.55 %	LT-U	PI	N	Binder
RESPIRATORY	AOEC: Asthmagen (ARs) - sensitizer-induced					
SKIN SENSITIZE	MAK: Sensitizing Substance Sh - Danger of skin sensitization					
<b>JUTE FIBER</b>		8.84 - 11.01 %		N	N	Backing

None found	No warnings found on HPD Priority lists					
<b>GUM ROSIN</b>	8050-09-7	2.16 - 2.22 %	LT-U	N	N	Binder
SKIN IRRITATION	EU H-Statements: H317 May cause an allergic skin reaction					
SKIN SENSITIZE	EU R-Phrases: R43: May cause sensitization by skin contact. (also in MAK)					
<b>Titanium dioxide</b>	13463-67-7	1.98 - 2.04 %	LT-1	U	N	Pigment
CANCER	NIOSH-C: Occupational carcinogen (also in Prop 65, IARC, MAK)					
<b>FERRIC OXIDE YELLOW</b>	51274-00-1	0.1 - 0.92 %	LT-U	U	U	Pigment
None found	No warnings found on HPD Priority lists					
<b>Iron oxide</b>	1317-61-9	0.1 - 0.92 %	LT-U	U	U	Pigment
CANCER	MAK: Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification					
<b>FERRIC OXIDE</b>	1309-37-1	0.1 - 0.92 %	2	U	U	Pigment
CANCER	MAK: Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification					
<b>TopShield 2 water-based acrylic finish</b>	UNC10957	0.1 - 0.3 %		U	U	Finish
None found	No warnings found on HPD Priority lists					
<p>Topshield2 is the UV cured topcoat on Marmoleum creates a "ready to use" flooring that requires no initial maintenance or polymer application. The surface can be repaired or refreshed in cases of accidents or after years of intensive use. Topshield is a unique and trade proprietary formulation to maximize the performance of linoleum floor that yields competitive advantage in the marketplace and therefore composition cannot be fully disclosed. For FULL disclosure of toxicity impacts according to SETAC, etc, please see our Marmoleum EPD with toxicity addendum.</p>						

**CERTIFICATIONS AND COMPLIANCE**

**Certifying Party** = First: Manufacturer's self-declaration; Second: Verification by trade association or other interested party; Third: Verification by independent certifier (ideal).

**Applicable facilities** = Manufacturing sites to which testing applies.

Type	Standard or Certification			Certifier or Laboratory
	Certifying Party	Issue Date	Expiry Date	Certificate URL
	Applicable Facilities			
	Notes			
VOC Emissions	CA Section 01350 (CHPS) Emission Test - CDPH/EHLB Standard Method V1.1 - Classroom & Office scenario			Berkeley Analytical
	1st party manufacturer claim	2014-11-17	2016-11-17	<a href="http://www.chpsregistry.com/live/public">www.chpsregistry.com/live/public</a>
	Forbo Flooring Systems North America			

VOC Content	N/A			
Recycled Content	Not tested			
LCA	Environmental Product Declaration (EPD)		The Green Standard	
	3rd party independent certification	2012-11-12	2017-11-12	<a href="http://www.ul.com">www.ul.com</a>
	All			
Multi-attribute	MTS SMART Building Product Standard - Platinum (2006)		Institute for Market Transformation to Sustainability (MTS)	
	3rd party independent certification	2013-04-11	2016-04-11	<a href="https://mts.sustainableproducts.com/SMaRT_Certified.html">mts.sustainableproducts.com/SMaRT_Certified.html</a>
	Forbo Flooring Systems North America			

### ACCESSORY MATERIALS

This section is for additional products required by warranty or recommended by the manufacturer for installation (such as adhesives, fasteners, or factory coatings) or for maintenance, cleaning, or operations. Refer to Health Product Declarations, published separately, for a complete view of these products.

Note: This declaration is not intended to address hazards of the installation process.

Required or Recommended Product	URL for Companion Health Product Declaration
<b>Condition when required or recommended and/or other notes</b>	
L885 Adhesive	
Adhesive used for installation	
Sustain 885m Adhesive	
Adhesive used for installation	
Forbo Neutral pH Cleaner	
Can be used during regular cleaning and routine maintenance.	
Forbo Matte Finish	
Can be used during routine maintenance.	
Forbo Residential Floor Finish	
Can be used during routine maintenance in a residence.	

Forbo Heavy Duty Cleaner	
Can be used during routine maintenance.	
Forbo Spraybuff	
Can be used during routine maintenance.	
Forbo Mop on Restorer	
Can be used during routine maintenance.	
Forbo Semi Gloss Finish	
Can be used during routine maintenance.	

**NOTES**

Products lines that fall under the category of Marmoleum Sheet are the following; Marmoleum Real, Marmoleum Fresco, Marmoleum Concrete, Marmoleum Vivace, Marmoleum Striato, Marmoleum Piano, Marmoleum Graphic, Walton Uni, Walton Cirrus, Marmoleum Unexpected Nature and Marmoleum Composition Sheet (MCS).